

#13 BAR, EPOXY COATED, PLACE © STIRRUP SPACING REQUIRED FOR NON WWF STIRRUPS, EMBED INTO GIRDER 380 mm. -- D16 MINIMUM SIZE OF VERTICAL WIRE - 25 mm MINIMUM CLEARANCE TO VERTICAL WIRE - CLEARANCE 32 mm MIN., 50 mm MAX.

SECTION THRU GIRDER

SHOWING WELDED WIRE FABRIC (WWF) STIRRUPS

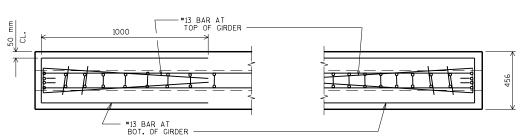
SUPPORT WITH STEEL OR ELASTOMERIC BRGS.

SUPPORT WITH 13 mm ELASTOMERIC BEARING PAD

VARIES FOR ELASTOMERIC BRGS. SEE STD. 27.7

SIDE VIEW OF GIRDER

O DETAIL TYP. AT EACH END



TOP VIEW OF GIRDER

- CENTER OF GRAVITY OF DRAPED STRANDS 12% SLOPE MAX. - HOLD DOWN POINT

END OF GIRDER

BOT, OF GIRDER \rightarrow

"A" TO BE GIVEN TO THE NEAREST 25 mm "B" = $\frac{1}{4}$ ("A" + 3 "C") MIN.
"B" = $\frac{1}{4}$ ("A" + 3 "C") + 75 mm MAX.

LOCATION OF DRAPED STRANDS

1/4 PT. (0.25 L)

DESIGNER NOTES

THE MAX. NUMBER OF DRAPED 13 mm ϕ STRANDS IS 12 AND FOR 15 mm ϕ STRANDS THE MAX. IS 8.

SPECIFY CONCRETE STRENGTH AS REQUIRED BY DESIGN FROM A MINIMUM OF 42 MPa TO A MAX.OF 56 MPa. USE ONLY 13 mm ¢ STRAND FOR THE DRAPED PATTERN. USE 15 mm ¢ FOR THE

GENERAL NOTES

THESE NOTES APPLY TO ALL GIRDERS.

THE GIRDERS SHALL BE PROVIDED WITH A SUITABLE LIFTING DEVICE FOR HANDLING AND ERECTING THE GIRDERS. ALL GIRDERS SHALL BE CAST FULL LENGTH AS SHOWN.

STRANDS SHALL BE FLUSH WITH END OF GIRDER. ENDS OF STRANDS SHALL BE PAINTED WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. THIS APPLIES ONLY TO THOSE ENDS OF GIRDERS THAT ARE FINALLY EXPOSED.

TOP OF GIRDER TO BE ROUGH FLOATED AND BROOMED TRANSVERSELY FOR BONDING TO THE SLAB, EXCEPT THE OUTSIDE 50 mm of GIRDER, WHICH SHALL BE TROWEL FINISHED.

SPACING SHOWN FOR #13 STIRRUPS IS FOR GRADE 420 REINFORCEMENT. IF THE FABRICATOR WANTS TO BUILD A BAR STEEL CAGE BY WELDING LONGITUDINAL REINFORCEMENT TO THE #13 STIRRUPS, TWO OPTIONS

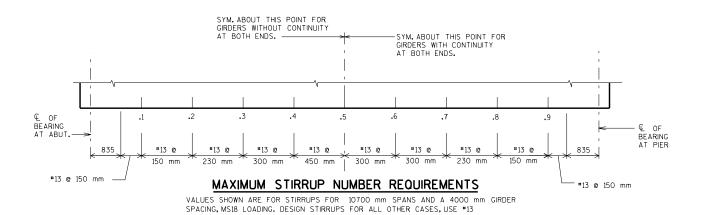
1. USE ASTM A706M, GRADE 420 REINFORCEMENT AND THE STIRRUP SPACING AS SHOWN ON THE PLANS.

2. USE ASTM A615M, GRADE 300 REINFORCEMENT AND A MODIFIED STIRRUP SPACING SUBMITTED TO AND APPROVED BY THE STRUCTURES DEVELOPMENT SECTION.

AN ALTERNATE EQUIVALENT OF WELDED WIRE FABRIC (WWF) MAY BE SUBSTITUTED FOR THE STIRRUP REINFORCEMENT SHOWN, UPON APPROVAL OF THE STRUCTURES DEVELOPMENT SECTION. (608)266-8494.

WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ASTM A497.

ALL DIMENSIONS ARE IN MILLIMETERS.



BARS AT 530 mm AS MINIMUM STIRRUP AREA.

 $\Phi | \Phi$ $\Phi \mid \Phi$ $\bullet \bullet \bullet \bullet \bullet$ -350 mm MIN. I ΔP DETAIL A

GIRDER

RECORD DIMENSIONS

"A", "B" & "C" ON FINAL PLANS.

710 mm PRETENSIONED GIRDER DETAILS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DEVELOPMENT SECTION

APPROVED: 1/03